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ABSTRACT

Materials in the Library of Congress (LC) concerned with the topic of privacy and security in computer systems are listed in this "LC Science Tracer Bullet." The guide includes a total of 59 sources: (1) an introductory source; (2) relevant LC subject headings; (3) basic and additional texts; (4) handbooks, encyclopedias, and dictionaries; (5) bibliographies; (6) state-of-the-art reviews and conference proceedings; (7) government publications; (8) indexing and abstracting services for journal articles and reports; (9) journals; (10) representative journal articles; and (11) a government agency to contact for information. Each entry indicates LC location in addition to bibliographical information. Specific texts listed cover the time period 1969 to 1974; however, information on relevant LC subject headings and indexing and abstracting services subject headings can be used for current searches. (KP)

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PRIVACY AND SECURITY IN COMPUTER SYSTEMS

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SCOPE: A guide to materials dealing with privacy and security in computer systems. The literature concerned solely with the rights of an individual citizen to protection from possible harm resulting from the operation of a personal data system is not included.

An introduction to the topic appears in:

Hoffman, Lance J. Security and privacy in computer systems. Los Angeles, Melville, 1973. p. 1-6. HF5548.2.H584*

SUBJECT HEADINGS under which books on privacy and security in computer systems can be located in the LC card and book catalogs include the following:

ELECTRONIC DATA PROCESSING DEPARTMENTS--SECURITY MEASURES (Highly relevant)
ELECTRONIC DATA PROCESSING DEPARTMENTS--FIRES AND FIRE PREVENTION (Highly relevant)
BUSINESS INTELLIGENCE (Related)
TRADE SECRETS (Related)
PRIVACY, RIGHT OF (Related)

BASIC TEXTS

Farr, M. A. L., B. Chadwick, and K. K. Wong. Security for computer systems. Manchester, National Computing Centre, c1972. 172 p. HF5548.2.F37
Bibliography: p. 155-161.

Hamilton, Peter. Computer security. Philadelphia, Auerbach, 1973. 122 p. HF5548.2.H362*

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* Available in the Science Reading Room Collection
**Available in the Science Reading Room Microform Collection

Hemphill, Charles F., Jr., and John M. Hemphill. Security procedures for computer systems. Homewood, Ill., Dow Jones-Irwin, 1973. 251 p. HF5548.2.H4475*
Bibliography: p. 218-226.

Hoffman, Lance J. Security and privacy in computer systems. Los Angeles, Melville, 1973. 422 p. HF5548.2.H584*

Katzan, Harry, Jr. Computer data security. New York, Van Nostrand Reinhold, 1973. 223 p. HF5548.2.K335*

Martin, James. Security, accuracy, and privacy in computer systems. Englewood Cliffs, N.J., Prentice-Hall, 1973. 262 p. HF5548.2.M342
Bibliographical references.

ADDITIONAL TEXTS

Bell, D. E., and L. J. La Padual. Secure computer systems: a mathematical model. Bedford, Mass., MITRE Corp., Nov. 1973. 62 p. AD 771 543**

Krauss, Leonard I. SAFE: security audit and field evaluation for computer facilities and information systems. East Brunswick, N.J., Firebrand, Krauss, 1972. 234 p. HF5548.2.K683

National Academy of Sciences, Washington, D.C. Project of Computer Databanks. Databanks in a free society; computers, record-keeping, and, privacy; report by Alan F. Westin and Michael A. Baker. New York, Quadrangle Books, 1972. 522 p.
Bibliographical references. JC599.U5N28 1972

Van Tassel, Dennie. Computer security management. Englewood Cliffs, N.J., Prentice-Hall, 1972. 226 p. HF5548.2.V33
Bibliography: p. 192-212.

Wooldridge, Susan, Colin R. Corder, and Claude R. Johnson. Security standards for data processing. New York, Wiley, 1973. 186 p. HF5548.2.W655 1973

HANDBOOKS, ENCYCLOPEDIAS and DICTIONARIES which contain information on security and privacy in computer systems include:

ADP security manual: techniques and procedures for implementing, deactivating, testing, and evaluating secure resource-sharing ADP systems. Washington, U.S. Department of Defense, Jan. 1973. 41 p. Vertical file*

Hoyt, Douglas. Computer security handbook. New York, Macmillan, 1973. 165 p.

Yearsley, Ronald. Handbook of computer management. New York, Halsted Press, 1973. 328 p. HF5548.2.Y4*
Bibliographical references.

BIBLIOGRAPHIES

Anderson, Ronald E., and Ed Fagerlund. Privacy and the computer: an annotated bibliography. Computing reviews, v. 13, Nov. 1972: 551-559. QA76.C5854*

Bergart, J. G., and others. An annotated and cross-referenced bibliography on computer security and access control in computer systems. Columbus, Ohio State University, Computer & Information Science Research Center, Nov. 1972. 62 p. AD 755 225**

Harrison, Annette. Computer information security and protection: a bibliography with abstracts. Springfield, Va., National Technical Information Service, Dec. 1973. 70 p. COM 73 11693**

-----. The problem of privacy in the computer age: an annotated bibliography. Santa Monica, Calif., Rand Corp., 1967-1969. 2 v. (Rand Corporation. Memorandum. RM-5495-PR/RC--RM-5495/1-PR/RC) Q180.A1R36 no. 5495

Privacy and security in ADP: international bibliography. New literature on automation, v. 13, no. 1, 1973. 1300 refs. Vertical file*

Rittersbach, G. H. Data processing security: a selected bibliography. Management adviser, Sept./Oct. 1973: 52-56. HD28.M39

STATE-OF-THE-ART REVIEWS and CONFERENCE PROCEEDINGS

Approaches to privacy and security in computer systems; proceedings of a conference held at the National Bureau of Standards, March 4-5, 1974. Washington, U.S. National Bureau of Standards; for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1974. 71 p. (NBS Special publication 404) QC100.U57 no. 404 and Vertical file*

Browne, Peter S. Computer security--a survey. Data base, v. 4, no. 3, Fall 1972: 1-12. Vertical file*

Government looks at privacy and security in computer systems. A summary of a conference held at the National Bureau of Standards, Gaithersburg, Md., November 19-20, 1973. Washington, U.S. Bureau of Standards; for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1974. 37 p. (NBS Technical note 809) QC100.U5753 no. 809 and Vertical file*

Protecting valuable data--part 1. EDP analyzer, v. 11, no. 12, Dec. 1973. 13 p. HF5548.2.E15 and Vertical file*

Protecting valuable data--part 2. EDP analyzer, v. 12, no. 1, Jan. 1974. 14 p. HF5548.2.E15 and Vertical file*

GOVERNMENT PUBLICATIONS

U.S. Department of Health, Education and Welfare. Secretary's Advisory Committee on Automated Personal Data Systems. Records, computers, and the rights of citizens; report. Washington, 1973. 346 p. JC599.U5U54
Bibliography: p. 298-330.

U.S. Federal Fire Council. Fire protection for essential electronic equipment. Washington, D.C., July 1969. 40 p. AD 692 662**

JOURNAL ARTICLES and other literature on privacy and security in computer systems are indexed primarily in the following abstracting and indexing services:

Computer Abstracts (1957-) Z6654.C17C64*
See: Privacy
Security

Computer and Control Abstracts (Science Abstracts--Series C) (1968-) QA76.C548*
See: Security of Data

Computer and Information Systems (1962-) QA76.I46*
See: Privacy
Security

Electrical & Electronics Abstracts (Science Abstracts--Series B) 1898-) Q1.S3*
See: Security of Data

Note: Consult reference librarian for location of abstracting and indexing services in the Science Reading Room.

Quarterly Bibliography of Computers and Data Processing
(1971-) QA76.Q3*
See: Privacy
Security

Other indexes, listed here, should be used for an exhaustive search. Only a limited return can be expected for the time spent. Directions are generally given in the front of each issue.

Business Periodicals Index (1958-) Z7164.C81B983
See: Privacy, Right of

Public Affairs Information Service Bulletin (1915-) Z7163.P9
See: Privacy

PRIMARY JOURNALS that often contain articles relevant to privacy and security in computer systems are:

Computer Decisions QA76.C5625
Computers and People (formerly Computers and Automation) TJ212.C58
Data Management HF5548.2.J6
Datamation T175.M26

SELECTED REPRESENTATIVE JOURNAL ARTICLES

Carlton, John L. Security and computerized systems. Management accounting, v. 55, no. 8, Feb. 1974: 33-36. HF5686.C8A27

Computer security...the imperative nuisance. Infosystems, v. 21, no. 2, Feb. 1974: 24-28. HF5548.2.B8

Davis, Ruth M. Privacy and security in data systems. Computers and people, v. 23, no. 3, Mar. 1974: 20-27. TJ212.C58

Palme, Jacob. Software security. Datamation, v. 20, no. 1, Jan. 1974: 51-55. T175.M26

Weiss, Harold. Computer security: an overview. Datamation, v. 20, no. 1, Jan. 1974: 42-47. T175.M26

Winkler, Stanley, and Lee Danner. Data security in the computer communication environment. Computer, v. 7, no. 2, Feb. 1974: 23-31. TK7885.A1I5

REPORTS and other types of literature are indexed in the following guides:

Government Reports Index (1946-) Z7405.R4U513*
See: Computer Privacy
Computer Security

Rand Corporation. Selected Rand Abstracts (1963-) AS36.R284*
See: Computers
Privacy
Security

SELECTED TECHNICAL REPORTS

Burkhardt, W. H. Scrambling and unscrambling files for security. Pittsburgh, Pa., Pittsburgh University, Dept. of Computer Science, Nov. 1972. 102 p. PB 213 899**

Jones, A. K. Protection in programmed systems. Pittsburgh, Pa., Carnegie-Mellon University, June 1973. 145 p. AD 765 535**

Lupton, W. L. A study of computer based security techniques. Monterey, Calif., Naval Postgraduate School, June 1973. 77 p. AD 765 677**

Turn, R. A brief history of computer privacy/security research at Rand. Santa Monica, Calif., Rand Corporation, Mar. 1971. 9 p. AD 748 917**

Turn, R., and N. Z. Shapiro. Privacy and security in databank systems: measures of effectiveness, costs, and protector-intruder interactions. Santa Monica, Calif., Rand Corporation, July 1972. 37 p. AD 751 829**

SELECTED MATERIALS available in the Science Reading Room vertical file include:

Bartram, Peter. Software security. Data systems, v. 12, no. 12, Dec. 1971: 16-17.

Parker, Donn B. Computer security: some easy things to do. Computer decisions, Jan. 1974: 17-18.

Security in automation. Data management, v. 12, no. 6, June 1974: 6-9.

Ware, Willis H. Computer privacy and computer security. In American Society for Information Science. Bulletin, v. 1, no. 3, Oct. 1974: 9, 32-33.

Wilkinson, Bryan. Data privacy. Data management, v. 12, no. 6, June 1974: 10-13.

Yasaki, Edward K. A new science emerges: plugging the holes in operating systems. Datamation, v. 20, no. 2, Feb. 1974: 90-92.

AN ADDITIONAL SOURCE of information in the Washington area is

Institute for Computer Science and Technology
National Bureau of Standards
U.S. Department of Commerce
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Telephone: (301) 921-3517